ATTACHMENT 5

December 2008 - Groundwater Sample Information Sheets

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 169MD	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	35.2	ft
Depth to product		ft
Depth to water (DTW)	20.05	ft

Sample Types (circle all applicable)
~~Monitoring Well~~
~~Grab~~/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling			⇐OR⇒	Micropurge sampling		
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	32.2	ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	(Y)/ N	
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	(Y)/ N	
3 Well volumes =	=	gal		Was passive sampling used?	Y (N)	
Purge method (B = bailer, P = pump)	B / P			Flowrate =		mL/min
				ID number from controller console	#	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	13.95	13.88	13.80	13.70			
Spec. Cond (µmhos)	+/- 3%	.104	.108	.111	.112			
D.O. (mg/L)	+/- 10%**	5.68	5.56	5.51	5.52			
pH	+/- 0.1	7.74	7.67	7.58	7.56			
ORP (mV)	+/- 10 mV**	2.33	2.32	232	233			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 12/1/08 Sample Time: 14 : 40 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: _____ After filtration: _____
Reaction upon addition of preservatives? (YES) NO explain: _____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: Good

Signature: _____ Date: 12/1/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 1695	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	23.6	ft
Depth to product		ft
Depth to water (DTW)	21.05	ft

Sample Types (circle all applicable)
(Monitoring Well)
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling			⇐OR⇒	Micropurge sampling	
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	20.6 ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	(Y) / N
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	(Y) N
3 Well volumes =	=	gal		Was passive sampling used?	Y / (N)
Purge method (B = bailer, P = pump)	B / P			Flowrate =	mL/min
				ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	14.54	14.62	14.63	14.68			
Spec. Cond (µmhos)	+/- 3%	1.148	1.149	1.149	1.150			
D.O. (mg/L)	+/- 10%**	2.14	2.19	2.18	2.18			
pH	+/- 0.1	6.99	7.00	7.01	7.02			
ORP (mV)	+/- 10 mV**	219	217	217	218			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 12/1/08 Sample Time: 14 : 10 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: — After filtration: —
Reaction upon addition of preservatives? YES (NO) explain: _____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: GOOD

Signature: _____ Date: 12/1/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 167s	Well Location:

Monitoring Well Data		
Well Material	(PVC)/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)		ft
Depth to product		ft
Depth to water (DTW)	19	ft

Sample Types (circle all applicable)
- ~~Monitoring Well~~
- ~~Grab/Composite~~
- Split Sample
- Duplicate (Duplicate ID: 167s Dup)
- MS/MSD
- Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	16 ft
Bubbles purged from flow cell?	(Y) / N
Is drawdown >0.3 feet	(Y) / N
Was passive sampling used?	Y / (N)
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	16.63	16.62	16.60	16.60			
Spec. Cond (µmhos)	+/- 3%	1.85	1.90	1.92	1.90			
D.O. (mg/L)	+/- 10%**	.51	.37	.50	.49			
pH	+/- 0.1	6.63	6.64	6.64	6.64			
ORP (mV)	+/- 10 mV**	267	265	263	263			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: ~~_____~~ gallons
Sample Date: 12/1/05 Sample Time: 15 : 00 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: ~ After filtration: ~
Reaction upon addition of preservatives? YES (NO) explain: ~
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: Good

Signature: _____ Date: 12/1/05

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 167D	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	32.7	ft
Depth to product		ft
Depth to water (DTW)	19.2	ft

Sample Types (circle all applicable)
(Monitoring Well)
Grab/Composite
Split Sample
Duplicate (Duplicate ID 167D Dup)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	31.7	ft
Bubbles purged from flow cell?	Ø / N	
Is drawdown >0.3 feet	Ø / N	
Was passive sampling used?	Y / Ø	
Flowrate =		mL/min
ID number from controller console	#	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	15.52	15.52	15.48				
Spec. Cond (µmhos)	+/- 3%	.889	.888	.888				
D.O. (mg/L)	+/- 10%**	.28	.27	.30				
pH	+/- 0.1	7.34	7.35	7.34				
ORP (mV)	+/- 10 mV**	70	69	69				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: — gallons
Sample Date: 12/1/05 Sample Time: 16 : 00 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: — After filtration: —
Reaction upon addition of preservatives? YES (NO) explain: —
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: GOOD

Signature: _____ Date: 12/1/05

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 165s	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	19.7	ft
Depth to product		ft
Depth to water (DTW)	15.32	ft

Sample Types (circle all applicable)
(Monitoring Well)
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	16.7	ft
Bubbles purged from flow cell?	(Y) / N	
Is drawdown >0.3 feet	(Y)/ N	
Was passive sampling used?	Y (N)	
Flowrate =		mL/min
ID number from controller console	#	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	15.02	15.08	15.14				
Spec. Cond (µmhos)	+/- 3%	.790	.790	.789				
D.O. (mg/L)	+/- 10%**	.61	.57	.55				
pH	+/- 0.1	7.47	7.47	7.48				
ORP (mV)	+/- 10 mV**	45	44	44				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: — gallons
Sample Date: 12/2/08 Sample Time: 16 : 00 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: — After filtration: —
Reaction upon addition of preservatives? YES (NO) explain: —
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: GOOD

Signature: _____ Date: 12/2

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 165D	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	46.55	ft
Depth to product		ft
Depth to water (DTW)	14.3	ft

Sample Types (circle all applicable)

(Monitoring Well)
(Grab/Composite)
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

(Conventional sampling)			⇐OR⇒	Micropurge sampling	
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	43.55 ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	(Y) / N
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	(Y) / N
3 Well volumes =	=	gal		Was passive sampling used?	Y / (N)
Purge method (B = bailer, P = pump)	B / P			Flowrate =	mL/min
				ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	14.39	14.85	14.80	14.79			
Spec. Cond (µmhos)	+/- 3%	.963	.959	.957	9.59			
D.O. (mg/L)	+/- 10%**	.53	.56	.72	.67			
pH	+/- 0.1	7.39	7.40	7.40	7.40			
ORP (mV)	+/- 10 mV**	9	6	3	3			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: ~ gallons
Sample Date: 12/2/05 Sample Time: 9 :30 (military time)
Was metals sample filtered prior to preservation? YES NO method: 0.45 µm cartridge / other: _____
Color of water before filtration: ~ After filtration: ~
Reaction upon addition of preservatives? YES (NO) explain: _____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: GOOD

Signature: _____ Date: 12/2

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 1665	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	19.1	ft
Depth to product		ft
Depth to water (DTW)	15.32	ft

Sample Types (circle all applicable)

(Monitoring Well)
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling			⇐OR⇒	Micropurge sampling		
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	16.1	ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	(Y) / N	
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	(Y) / N	
3 Well volumes =	=	gal		Was passive sampling used?	Y / (N)	
Purge method (B = bailer, P = pump)	B / P			Flowrate =		mL/min
				ID number from controller console	#	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	16.82	16.90	16.94	17.00			
Spec. Cond (µmhos)	+/- 3%	1,095	1,093	1,093	1,093			
D.O. (mg/L)	+/- 10%**	1.37	1.22	1.18	1.10			
pH	+/- 0.1	7.20	7.20	7.20	7.20			
ORP (mV)	+/- 10 mV**	147	146	146	144			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: ~ gallons
Sample Date: 12/2/08 Sample Time: 10:030 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: ~ After filtration: ~
Reaction upon addition of preservatives? YES (NO) explain: ~
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: GOOD

Signature: _____ Date: 12/2/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 166 D	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	49.7	ft
Depth to product		ft
Depth to water (DTW)	15.2	ft

Sample Types (circle all applicable)
- ~~Monitoring Well~~
- ~~Grab~~/Composite
- Split Sample
- Duplicate (Duplicate ID: _____)
- MS/MSD
- Other_____

~~Conventional sampling~~		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	46.7	ft
Bubbles purged from flow cell?	Y / N	
Is drawdown >0.3 feet	Y / N	
Was passive sampling used?	Y / N	
Flowrate =		mL/min
ID number from controller console	#	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	15.61	15.65	15.64	15.63	15.64		
Spec. Cond (µmhos)	+/- 3%	.841	.912	.976	1.015	1.028		
D.O. (mg/L)	+/- 10%**	1.18	1.00	.87	.74	.73		
pH	+/- 0.1	7.37	7.36	7.35	7.35	7.35		
ORP (mV)	+/- 10 mV**	74	62	54	45	45		
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: ~ gallons
Sample Date: 12/2/08 Sample Time: 11 : 00 (military time)
Was metals sample filtered prior to preservation? YES ~~NO~~ method: 0.45 µm cartridge / other: _____
Color of water before filtration: ~ After filtration: ~
Reaction upon addition of preservatives? YES (NO) explain: ~
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: GOOD

Signature: _____ Date: 12/2/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 154	Well Location:

Monitoring Well Data		
Well Material	(PVC)/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	20.6	ft
Depth to product		ft
Depth to water (DTW)	14.25	ft

Sample Types (circle all applicable)

(Monitoring Well)
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	17.6	ft
Bubbles purged from flow cell?	(Y) / N	
Is drawdown >0.3 feet	Y / (N)	
Was passive sampling used?	Y / (N)	
Flowrate =		mL/min
ID number from controller console	#	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	15.58	15.56	15.58	15.59			
Spec. Cond (µmhos)	+/- 3%	2.36	2.36	2.37	2.35			
D.O. (mg/L)	+/- 10%**	7.33	7.04	7.16	7.24			
pH	+/- 0.1	7.37	7.37	7.37	7.37			
ORP (mV)	+/- 10 mV**	253	233	231	231			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: ~ gallons
Sample Date: 12/2/08 Sample Time: 12 : 00 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: ~ After filtration: ~
Reaction upon addition of preservatives? YES (NO) explain: ~
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: GOOD

Signature: _____ Date: 12/2/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 147 AL	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	29	ft
Depth to product		ft
Depth to water (DTW)	11.41	ft

Sample Types (circle all applicable)
- (Monitoring Well)
- Grab/Composite
- Split Sample
- Duplicate (Duplicate ID: _____)
- MS/MSD
- Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling		
Depth of pump placement (place mid-screen)	26	ft
Bubbles purged from flow cell?	(Y)/ N	
Is drawdown >0.3 feet	(Y)/ N	
Was passive sampling used?	Y / (N)	
Flowrate =		mL/min
ID number from controller console	#	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	13.87	13.97	13.93				
Spec. Cond (µmhos)	+/- 3%	1.84	1.83	1.84				
D.O. (mg/L)	+/- 10%**	1.10	1.10	1.09				
pH	+/- 0.1	7.23	7.23	7.23				
ORP (mV)	+/- 10 mV**	61	60	60				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: — gallons
Sample Date: 12 / 2 / 08 Sample Time: 12 : 50 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: — After filtration: —
Reaction upon addition of preservatives? YES (NO) explain: —
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: GOOD

Signature: _____ Date: 12/2/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 132 R	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	19	ft
Depth to product		ft
Depth to water (DTW)	0 +9 11.9	ft

Sample Types (circle all applicable)
- (Monitoring Well)
- Grab/Composite
- Split Sample
- Duplicate (Duplicate ID: _____)
- MS/MSD
- Other_____

Conventional sampling			⇐OR⇒	Micropurge sampling	
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	Y / N
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	Y / N
3 Well volumes =	=	gal		Was passive sampling used?	Y / N
Purge method (B = bailer, P = pump)	B / P			Flowrate =	mL/min
				ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	16.19	15.95	16.10	16.69	16.70		
Spec. Cond (µmhos)	+/- 3%	2.01	2.01	2.00	1.98	1.95		
D.O. (mg/L)	+/- 10%**	2.30	2.29	1.94	1.72	1.69		
pH	+/- 0.1	7.32	7.32	7.31	7.32	7.33		
ORP (mV)	+/- 10 mV**	169	170	170	171	171		
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: ~ gallons
Sample Date: 12/2/08 Sample Time: 13 : 30 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: ~ After filtration: ~
Reaction upon addition of preservatives? YES (NO) explain: ~
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: GOOD

Signature: _____ Date: 12/2/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 148R	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	24.6	ft
Depth to product		ft
Depth to water (DTW)	11.73	ft

Sample Types (circle all applicable)

(Monitoring Well)
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling			⇐OR⇒	Micropurge sampling		
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	21.6	ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	(Y) / N	
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	(Y) / N	
3 Well volumes =	=	gal		Was passive sampling used?	Y / (N)	
Purge method (B = bailer, P = pump)	B / P			Flowrate =		mL/min
				ID number from controller console	#	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	15.85	15.85	15.90				
Spec. Cond (µmhos)	+/- 3%	1.54	1.53	1.54				
D.O. (mg/L)	+/- 10%**	1.04	1.05	1.10				
pH	+/- 0.1	7.09	7.09	7.09				
ORP (mV)	+/- 10 mV**	130	132	132				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: ~ gallons
Sample Date: 12/2/08 Sample Time: 14 : 00 (military time)
Was metals sample filtered prior to preservation? YES ~~NO~~ method: 0.45 µm cartridge / other: _____
Color of water before filtration: ~ After filtration: ~
Reaction upon addition of preservatives? YES (NO) explain: ~
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: GOOD

Signature: _____ Date: 12/2/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 153	Well Location:

Monitoring Well Data		
Well Material	(PVC)/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	21	ft
Depth to product		ft
Depth to water (DTW)	12.65	ft

Sample Types (circle all applicable)
(Monitoring Well)
Grab/Composite
Split Sample
(Duplicate) (Duplicate ID: (153 (Dup))
(MS/MSD)
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	18 ft
Bubbles purged from flow cell?	(Y) / N
Is drawdown >0.3 feet	(Y) / N
Was passive sampling used?	Y / (N)
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	15.60	15.58	15.58	15.60			
Spec. Cond (µmhos)	+/- 3%	2.53	2.54	2.53	2.53			
D.O. (mg/L)	+/- 10%**	24.65	23.33	24.44	23.58			
pH	+/- 0.1	7.51	7.50	7.50	7.49			
ORP (mV)	+/- 10 mV**	231	231	231	231			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: ~ gallons
Sample Date: 12/2/08 Sample Time: 14 : 40 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: ~
Color of water before filtration: ~ After filtration: ~
Reaction upon addition of preservatives? YES (NO) explain: ~
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: Good

Signature: _____ Date: 12/2/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 302	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	54.4	ft
Depth to product		ft
Depth to water (DTW)	13.56	ft

Sample Types (circle all applicable)
(Monitoring Well)
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	51.4 ft
Bubbles purged from flow cell?	(Y) / N
Is drawdown >0.3 feet	(Y) / N
Was passive sampling used?	Y / (N)
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	12.34	12.46	12.50	13.00			
Spec. Cond (µmhos)	+/- 3%	.594	.594	.593	.597			
D.O. (mg/L)	+/- 10%**	1.22	1.09	1.05	.98			
pH	+/- 0.1	7.81	7.81	7.80	7.81			
ORP (mV)	+/- 10 mV**	-1	-4	-6	-7			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: ~ gallons
Sample Date: 12/2/08 Sample Time: 15 : 10 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: ~ After filtration: ~
Reaction upon addition of preservatives? YES (NO) explain: ~
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: GOOD

Signature: _____ Date: 12/2/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 133 R	Well Location:

Monitoring Well Data		
Well Material	(PVC)/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	16.1	ft
Depth to product		ft
Depth to water (DTW)	10.24	ft

Sample Types (circle all applicable)
- ~~Monitoring Well~~
- ~~Grab~~/Composite
- Split Sample
- Duplicate (Duplicate ID: _____)
- MS/MSD
- Other_____

Conventional sampling			⇐OR⇒	Micropurge sampling	
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	13.1 ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	(Y)/ N
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	(Y)/ N
3 Well volumes =	=	gal		Was passive sampling used?	Y /(N)
Purge method (B = bailer, P = pump)	B / P			Flowrate =	mL/min
				ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	18.22	18.22	18.23				
Spec. Cond (µmhos)	+/- 3%	1.284	1.284	1.283				
D.O. (mg/L)	+/- 10%**	11.42	10.95	10.70				
pH	+/- 0.1	7.09	7.09	7.08				
ORP (mV)	+/- 10 mV**	339	339	339				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 12/3/08 Sample Time: 9 : 30 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: — After filtration: —
Reaction upon addition of preservatives? YES (NO) explain: —
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: (GOOD)

Signature: _____ Date: 12-3-08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 145	Well Location:

Monitoring Well Data		
Well Material	(PVC)/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	26	ft
Depth to product		ft
Depth to water (DTW)	9.4	ft

Sample Types (circle all applicable)
- (Monitoring Well)
- Grab/Composite
- Split Sample
- Duplicate (Duplicate ID: _____)
- MS/MSD
- Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	23 ft
Bubbles purged from flow cell?	(Y) / N
Is drawdown >0.3 feet	(Y) / N
Was passive sampling used?	Y / (N)
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	15.24	15.29	15.30				
Spec. Cond (µmhos)	+/- 3%	2.47	2.48	2.48				
D.O. (mg/L)	+/- 10%**	.95	.59	.90				
pH	+/- 0.1	7.03	7.02	7.03				
ORP (mV)	+/- 10 mV**	55	56	56				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: — gallons
Sample Date: 12/3/08 Sample Time: 10 : 60 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: — After filtration: —
Reaction upon addition of preservatives? YES (NO) explain: —
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: GOOD

Signature: _____ Date: 12/3/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 152	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	18.65	ft
Depth to product		ft
Depth to water (DTW)	14.12	ft

Sample Types (circle all applicable)

(Monitoring Well)
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling			⇐OR⇒	Micropurge sampling	
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	15.65 ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	Y / N
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	Y / N
3 Well volumes =	=	gal		Was passive sampling used?	Y / N
Purge method (B = bailer, P = pump)	B / P			Flowrate =	mL/min
				ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	17.54	17.55	17.55	17.55			
Spec. Cond (µmhos)	+/- 3%	.618	.621	.620	.621			
D.O. (mg/L)	+/- 10%**	9.31	9.40	9.37	9.34			
pH	+/- 0.1	7.34	7.34	7.34	7.34			
ORP (mV)	+/- 10 mV**	7.34	204	206	206			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: — gallons
Sample Date: 12/3/08 Sample Time: 10 : 30 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: — After filtration: —
Reaction upon addition of preservatives? YES (NO) explain: —
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: Good

Signature: _____ Date: 12/3/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 146	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	23.3	ft
Depth to product		ft
Depth to water (DTW)	9.98	ft

Sample Types (circle all applicable)

(Monitoring Well)
(Grab/Composite)
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling			⇐OR⇒	Micropurge sampling	
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	20.3 ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	(Y) / N
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	(Y) / N
3 Well volumes =	=	gal		Was passive sampling used?	Y (N)
Purge method (B = bailer, P = pump)	B / P			Flowrate =	mL/min
				ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	14.93	14.95	15.01				
Spec. Cond (µmhos)	+/- 3%	1.124	1.122	1.124				
D.O. (mg/L)	+/- 10%**	.137	.132	.138				
pH	+/- 0.1	6.97	6.97	6.98				
ORP (mV)	+/- 10 mV**	252	251	251				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: — gallons
Sample Date: 12/3/08 Sample Time: 11 : 00 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: — After filtration: —
Reaction upon addition of preservatives? YES (NO) explain: —
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: (GOOD)

Signature: _____ Date: 12/3/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 10-1R	Well Location:

Monitoring Well Data		
Well Material	(PVC)/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	18.6	ft
Depth to product		ft
Depth to water (DTW)	15.09	ft

Sample Types (circle all applicable)

(Monitoring Well)
~~Grab~~/Composite
Split Sample
~~Duplicate~~ (Duplicate ID: 10-1R(Dup))
~~MS/MSD~~
Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	15.6 ft
Bubbles purged from flow cell?	(Y) / N
Is drawdown >0.3 feet	Y / (N)
Was passive sampling used?	Y (N)
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	14.27	14.26	14.30				
Spec. Cond (µmhos)	+/- 3%	.847	.849	.846				
D.O. (mg/L)	+/- 10%**	5.89	5.17	5.82				
pH	+/- 0.1	7.26	7.19	7.19				
ORP (mV)	+/- 10 mV**	266	266	265				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: — gallons
Sample Date: 12/3/08 Sample Time: 11 : 30 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: — After filtration: —
Reaction upon addition of preservatives? YES (NO) explain:_____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: Good

Signature: _____ Date: 12/3/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 150	Well Location:

Monitoring Well Data		
Well Material	(PVC)/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	18.6	ft
Depth to product		ft
Depth to water (DTW)	13.64	ft

Sample Types (circle all applicable)

(Monitoring Well)
(Grab/Composite)
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling			⇐OR⇒	Micropurge sampling	
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	15.6 ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	(Y) / N
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	(Y) / N
3 Well volumes =	=	gal		Was passive sampling used?	Y / (N)
Purge method (B = bailer, P = pump)	B / P			Flowrate =	mL/min
				ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	16.38	16.41	16.41				
Spec. Cond (µmhos)	+/- 3%	.897	.896	.900				
D.O. (mg/L)	+/- 10%**	1.78	1.60	1.60				
pH	+/- 0.1	7.20	7.20	7.20				
ORP (mV)	+/- 10 mV**	286	285	285				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: — gallons
Sample Date: 12/3/08 Sample Time: 12 : 30 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: — After filtration: _____
Reaction upon addition of preservatives? YES (NO) explain: —
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: (GOOD)

Signature: _____ Date: 12/3/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 135	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	18.88	ft
Depth to product		ft
Depth to water (DTW)	13.91	ft

Sample Types (circle all applicable)
- (Monitoring Well)
- Grab/Composite
- Split Sample
- Duplicate (Duplicate ID: _____)
- MS/MSD
- Other_____

Conventional sampling			⇐OR⇒	Micropurge sampling	
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	15.88 ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	Y / N
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	Y / N
3 Well volumes =	=	gal		Was passive sampling used?	Y / N
Purge method (B = bailer, P = pump)	B / P			Flowrate =	mL/min
				ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	15.97	16.03	16.03				
Spec. Cond (µmhos)	+/- 3%	.740	.745	.744				
D.O. (mg/L)	+/- 10%**	2.29	2.31	2.30				
pH	+/- 0.1	7.23	7.22	7.22				
ORP (mV)	+/- 10 mV**	280	281	280				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: — gallons
Sample Date: 12/3/08 Sample Time: 13 : 00 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: — After filtration: —
Reaction upon addition of preservatives? YES (NO) explain: —
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: GOOD

Signature: _____ Date: 12/3/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: IW-2	Well Location:

Monitoring Well Data		
Well Material	(PVC)/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	17	ft
Depth to product		ft
Depth to water (DTW)	13.47	ft

Sample Types (circle all applicable)

(Monitoring Well)
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling			⇐OR⇒	Micropurge sampling	
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	14 ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	(Y) / N
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	(Y) / N
3 Well volumes =	=	gal		Was passive sampling used?	Y / (N)
Purge method (B = bailer, P = pump)	B / P			Flowrate =	mL/min
				ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	16.38	16.43	16.47				
Spec. Cond (µmhos)	+/- 3%	.674	.674	.676				
D.O. (mg/L)	+/- 10%**	.37	.31	.29				
pH	+/- 0.1	7.32	7.32	7.31				
ORP (mV)	+/- 10 mV**	252	248	247				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: – gallons
Sample Date: 12/3/08 Sample Time: 13 : 30 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: – After filtration: –
Reaction upon addition of preservatives? YES (NO) explain: –
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: GOOD

Signature: _____ Date: 12/3/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: IW-1	Well Location:

Monitoring Well Data		
Well Material	(PVC)/SS/Teflon)	
Inside Diameter, in.	(1 (2) 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	15	ft
Depth to product		ft
Depth to water (DTW)	12.41	ft

Sample Types (circle all applicable)

(Monitoring Well)
(Grab/Composite)
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling			⇐OR⇒	Micropurge sampling		
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	12	ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	(Y) / N	
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	(Y) / N	
3 Well volumes =	=	gal		Was passive sampling used?	Y / (N)	
Purge method (B = bailer, P = pump)	B / P			Flowrate =		mL/min
				ID number from controller console	#	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	15.15	15.39	15.41	15.39	15.41		
Spec. Cond (µmhos)	+/- 3%	1.236	1.159	1.095	1.004	.985		
D.O. (mg/L)	+/- 10%**	.178	.168	.178	.165	.164		
pH	+/- 0.1	6.36	6.39	6.43	6.50	6.50		
ORP (mV)	+/- 10 mV**	85	80	75	69	69		
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: ~ gallons
Sample Date: 12/3/08 Sample Time: 14 : 00 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: ~ After filtration: ~
Reaction upon addition of preservatives? YES (NO) explain: ~
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: (GOOD)

Signature: _____ Date: 12/3/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 163	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	19.45	ft
Depth to product		ft
Depth to water (DTW)	12.24	ft

Sample Types (circle all applicable)

(Monitoring Well)
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling			⇐OR⇒	Micropurge sampling		
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	16.45	ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	(Y) / N	
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	(Y) / N	
3 Well volumes =	=	gal		Was passive sampling used?	Y / (N)	
Purge method (B = bailer, P = pump)	B / P			Flowrate =		mL/min
				ID number from controller console	#	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	15.10	15.13	15.18				
Spec. Cond (µmhos)	+/- 3%	.405	.411	.419				
D.O. (mg/L)	+/- 10%**	.90	.86	.78				
pH	+/- 0.1	7.12	7.12	7.11				
ORP (mV)	+/- 10 mV**	54	53	53				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: ~ gallons
Sample Date: 12/3/08 Sample Time: 14 : 30 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: ~ After filtration: ~
Reaction upon addition of preservatives? YES (NO) explain: ~
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: (GOOD)

Signature: _____ Date: 12/3/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 173	Well Location:

Monitoring Well Data		
Well Material	(PVC)/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	17.7	ft
Depth to product		ft
Depth to water (DTW)	13.88	ft

Sample Types (circle all applicable)

- ~~Monitoring Well~~
- ~~Grab~~/Composite
- Split Sample
- Duplicate (Duplicate ID: _____)
- MS/MSD
- Other_____

Conventional sampling			⇐OR⇒	Micropurge sampling	
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	14.7 ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	(Y) / N
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	(Y) / N
3 Well volumes =	=	gal		Was passive sampling used?	Y / (N)
Purge method (B = bailer, P = pump)	B / P			Flowrate =	mL/min
				ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	16.01	16.04	16.10				
Spec. Cond (µmhos)	+/- 3%	.677	.679	.679				
D.O. (mg/L)	+/- 10%**	3.75	3.81	3.98				
pH	+/- 0.1	7.26	7.26	7.26				
ORP (mV)	+/- 10 mV**	142	143	143				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: _____ gallons
Sample Date: 12/3/08 Sample Time: 15 : 00 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration:_____ After filtration:_____
Reaction upon addition of preservatives? YES (NO) explain:_____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: GOOD

Signature:_____ Date: 12/3/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 156	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	18.55	ft
Depth to product		ft
Depth to water (DTW)	12.7	ft

Sample Types (circle all applicable)
- (Monitoring Well)
- Grab/Composite
- Split Sample
- Duplicate (Duplicate ID: _____)
- MS/MSD
- Other_____

Conventional sampling			⇐OR⇒	Micropurge sampling		
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	15.55	ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	(Y) / N	
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	(Y) / N	
3 Well volumes =	=	gal		Was passive sampling used?	Y (N)	
Purge method (B = bailer, P = pump)	B / P			Flowrate =		mL/min
				ID number from controller console	#	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	14.95	14.95	14.97				
Spec. Cond (µmhos)	+/- 3%	.913	9.11	.904				
D.O. (mg/L)	+/- 10%**	1.67	~~1.69~~	1.70				
pH	+/- 0.1	7.19	7.18	7.18				
ORP (mV)	+/- 10 mV**	130	125	122				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: — gallons
Sample Date: 12/3/08 Sample Time: 15 : 30 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: — After filtration: —
Reaction upon addition of preservatives? YES (NO) explain: —
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: GOOD

Signature: _____ Date: 12/3/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 151	Well Location:

Monitoring Well Data		
Well Material	(PVC)/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	18.6	ft
Depth to product		ft
Depth to water (DTW)	14.48	ft

Sample Types (circle all applicable)
(Monitoring Well)
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

(Conventional sampling)			⇐OR⇒	Micropurge sampling	
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	15.6 ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	(Y) / N
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	(Y) / N
3 Well volumes =	=	gal		Was passive sampling used?	Y / (N)
Purge method (B = bailer, P = pump)	B / P			Flowrate =	mL/min
				ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	14.48	14.54	14.58				
Spec. Cond (µmhos)	+/- 3%	.961	.961	.959				
D.O. (mg/L)	+/- 10%**	1.89	1.81	1.79				
pH	+/- 0.1	7.15	7.15	7.14				
ORP (mV)	+/- 10 mV**	177	177	177				
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: — gallons
Sample Date: 12/3/08 Sample Time: 16 : 00 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: _____ After filtration: _____
Reaction upon addition of preservatives? YES (NO) explain: _____
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: Good

Signature: _____ Date: 12/3/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 157	Well Location:

Monitoring Well Data		
Well Material	(PVC)/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	17.55	ft
Depth to product		ft
Depth to water (DTW)	12.63	ft

Sample Types (circle all applicable)

- ~~Monitoring Well~~
- ~~Grab~~/Composite
- Split Sample
- Duplicate (Duplicate ID: _____)
- MS/MSD
- Other_____

~~Conventional sampling~~			⇐OR⇒	Micropurge sampling		
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	14.55	ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	(Y) / N	
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	(Y) / N	
3 Well volumes =	=	gal		Was passive sampling used?	Y / N	
~~Purge method~~ (B = bailer, P = pump)	B / P			Flowrate =		mL/min
				ID number from controller console	#	

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	12.99	13.23	13.36	13.38			
Spec. Cond (µmhos)	+/- 3%	.728	.728	.728	.727			
D.O. (mg/L)	+/- 10%**	3.09	2.77	2.70	2.64			
pH	+/- 0.1	7.32	7.30	7.29	7.28			
ORP (mV)	+/- 10 mV**	201	200	200	201			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: ~ gallons
Sample Date: 12/3/08 Sample Time: 16 : 30 (military time)
Was metals sample filtered prior to preservation? YES ~~NO~~ method: 0.45 µm cartridge / other: _____
Color of water before filtration: ~ After filtration: ~
Reaction upon addition of preservatives? YES ~~NO~~ explain: ~
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: GOOD

Signature: _____ Date: 12/3/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 164	Well Location:

Monitoring Well Data		
Well Material	(PVC)/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	25	ft
Depth to product		ft
Depth to water (DTW)	19.61	ft

Sample Types (circle all applicable)

- ~~Monitoring~~ Well
- ~~Grab~~/Composite
- Split Sample
- Duplicate (Duplicate ID: _____)
- MS/MSD
- Other_____

Conventional sampling		
Height of water column (H = TD – DTW)		ft
Conversion value (CV)*	x	
1 Well volume = H x CV	=	gal
3 Well volumes =	=	gal
Purge method (B = bailer, P = pump)	B / P	

⇐OR⇒

Micropurge sampling	
Depth of pump placement (place mid-screen)	22 ft
Bubbles purged from flow cell?	(Y) / N
Is drawdown >0.3 feet	(Y) / N
Was passive sampling used?	Y (N)
Flowrate =	mL/min
ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%	15.12	15.20	15.29	15.30			
Spec. Cond (µmhos)	+/- 3%	.883	.883	.884	.883			
D.O. (mg/L)	+/- 10%**	1.42	1.37	1.33	1.25			
pH	+/- 0.1	7.22	7.22	7.22	7.22			
ORP (mV)	+/- 10 mV**	214	213	212	212			
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: — gallons
Sample Date: 12/3/08 Sample Time: 17 : 00 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: —
Color of water before filtration: — After filtration: —
Reaction upon addition of preservatives? YES (NO) explain: —
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: (GOOD)

Signature: _____ Date: 12/3/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 160	Well Location:

Monitoring Well Data		
Well Material	(PVC)/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	10.8	ft
Depth to product		ft
Depth to water (DTW)	2.7	ft

Sample Types (circle all applicable)
(Monitoring Well)
Grab/Composite
Split Sample
Duplicate (Duplicate ID: _____)
MS/MSD
Other_____

Conventional sampling			⇐OR⇒	Micropurge sampling	
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	Y / N
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	Y / N
3 Well volumes =	=	gal		Was passive sampling used?	Y / N
Purge method (B = bailer, P = pump)	B / P			Flowrate =	mL/min
				ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%							
Spec. Cond (µmhos)	+/- 3%							
D.O. (mg/L)	+/- 10%**							
pH	+/- 0.1							
ORP (mV)	+/- 10 mV**							
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: ~ gallons
Sample Date: 12 / 4 / 08 Sample Time: 10 : 30 (military time)
Was metals sample filtered prior to preservation? YES ~~NO~~ ~ method: 0.45 µm cartridge / other: _____
Color of water before filtration: ~ After filtration: ~
Reaction upon addition of preservatives? YES (NO) explain: ~
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: GOOD

Signature: _____ Date: 12/4/08

KERAMIDA ENVIRONMENTAL, INC.
GROUNDWATER SAMPLE INFORMATION SHEET

Facility Name: GP	KEI Project #: 2829e-001/003
Sample I.D.: 161	Well Location:

Monitoring Well Data		
Well Material	(PVC/SS/Teflon)	
Inside Diameter, in.	(1 2 4 6)	
Stick up or stick down height		ft
Total depth of well (TD)	12.9	ft
Depth to product		ft
Depth to water (DTW)	4.3	ft

Sample Types (circle all applicable)

(Monitoring Well)
~~Grab~~/Composite
Split Sample
(Duplicate) (Duplicate ID: 161 (Dup))
MS/MSD
Other_____

Conventional sampling			⇐OR⇒	Micropurge sampling	
Height of water column (H = TD – DTW)		ft		Depth of pump placement (place mid-screen)	ft
Conversion value (CV)*	x			Bubbles purged from flow cell?	Y / N
1 Well volume = H x CV	=	gal		Is drawdown >0.3 feet	Y / N
3 Well volumes =	=	gal		Was passive sampling used?	Y / N
Purge method (B = bailer, P = pump)	B / P			Flowrate =	mL/min
				ID number from controller console	#

*Conversion values (gal/ft): 1" dia = 0.04, 2" dia = 0.16, 4" dia = 0.65, 6" dia = 1.47

Field Test(s) Performed	Stability Range	Result (3 min)	Result (6 min)	Result (9 min)	Result (12 min)	Result (15 min)	Result (18 min)	Result (21 min)
Temperature (°C)	+/- 3%							
Spec. Cond (µmhos)	+/- 3%							
D.O. (mg/L)	+/- 10%**							
pH	+/- 0.1							
ORP (mV)	+/- 10 mV**							
Turbidity (NTU)	+/- 10%**							
H_2S (mg/L)								
Fe^{2+} (mg/L)								

Check stability after three readings and every reading thereafter until achieved.
**Only one of these parameters must reach stability.

Observations:
Volume of water purged from well: ~ gallons
Sample Date: 12/4/08 Sample Time: 11 : 30 (military time)
Was metals sample filtered prior to preservation? YES (NO) method: 0.45 µm cartridge / other: _____
Color of water before filtration: ~ After filtration: _____
Reaction upon addition of preservatives? YES (NO) explain: ~
Appearance of Water: (Clear/Slightly Turbid/Turbid/Very Turbid)
Well condition: GOOD

Signature: _____ Date: 12/4/08